

CLAIMS

1 . A latch (50) intended for the closure of a section door;

said section door including a number of horizontally elongated elements (E), hinges (C) mutually connecting said elements (E), side guide bars (G) for sliding engagement of said section door, one of said side guide bars (G) having an opening (O), horizontal pivots or axles located between said shutter elements (E) near the hinges (C) at each side of the elements, small rolling wheels (R) turning on said pivots or axles and sliding within said side guide bars (G), each side guide bar having a vertical branch (G1) which defines the operative position of the section door when closed, a upper horizontal branch (G2) which defines a disappearance position of the section door when open, and a curved connection branch (G3) joining together said vertical and horizontal branches;

said latch (50) being located sideways, being displaceable between an inactive position and an active position, and being intended for engaging, in its active position, in said opening (O) provided in one of the side guide bars (G);

wherein said side latch (50) is located coaxially with one (41) of said small wheels (R) intended to slide within the side guide bars (G) of the section door.

2 . A set including a latch according to Claim 1, a hollow pivot or axle (40) having a bore, a small rolling wheel (41) mounted on said hollow pivot or axle and coaxial to said latch, said latch (50) being guided to slide within the bore of said hollow pivot or axle (40).

3 . A set including a latch according to Claim 1, a hollow pivot or axle (40) having a bore, a small rolling wheel (41) mounted on said hollow pivot or axle and coaxial to said latch, said latch (50) being guided to slide within the bore of said hollow pivot or axle (40), and a support member (20) having means for mounting it, possibly in an adjustable position, on an element (E) of a section door or one of its hinges (C), and including a partially cylindrical seat (31) in which is mounted said hollow pivot or axle (40).

4 . A set including a latch according to Claim 1, a small rolling wheel

(41) coaxial to said latch (50), a support member (20) for said component parts and a hinge (22-23) intended to be fixed to two adjacent elements (E) of a section door.

5 5 . A set including a latch according to Claim 1, a small rolling wheel (41) coaxial to said latch (50), a support member (20) for said component parts, said support member (20) having a partially cylindrical seat (31), and position adjusting means (30) interposed between said support member (20) and said cylindrical seat (31).

10 6 . A set including a latch according to Claim 1, a small rolling wheel (41) coaxial to said latch, and a support member (20) for said component parts, said support member (20) including a bracket (21).

7 . A set including a latch according to Claim 1, a small rolling wheel (41) coaxial to said latch (50), and a support member (20) for said component parts, said support member (20) having the substantial shape of a plate.

15 8 . A latch according to Claim 1, said latch (50) having a means (55) for the manual operation thereof.

9 . A latch according to Claim 1, said latch (50) having a connection member (60; 63) intended to be connected to a handle lock (70; 74; 77) for the actuation of the latch (50).

20 10. A latch according to Claim 1, said latch (50) having a connection member (60; 63) intended to be connected to a handle lock (70; 74; 77) for the actuation of the latch (50), wherein said connection member (60; 63) extends in a direction perpendicular to the latch (50) in order to allow a displacement of the axes between the latch (50) and a member of the lock (70; 25 74; 77) operating the latch (50).

11. A latch according to Claim 1 having a spring (80) so arranged as to transmit to the latch (50), in an elastically yielding manner, a force directed towards its closure position, whereby it allows an automatic closure of the

latch (50) when the section door attains its closure position.

12 . A set including a latch according to Claim 1 and a handle lock (70; 74; 77) connected to said latch (50).

13 . A set including a latch according to Claim 1, a connection member (63) of the latch (50) and a handle lock (70; 74; 77) having an operating member (75) directly connected to said connection member (63) of the latch.

14 . A set including a latch according to Claim 1, a connection member (63) of the latch (50), a handle lock (70; 74; 77) having an operating member (75), and a two-beam lever (90; 93), which may possibly be angular, connected to said connection member (63) of the latch (50) and to said handle lock.

15 . A set including a latch according to Claim 1, a connection member (63) of the latch (50), a handle lock device (99) and a flexible metallic cable (82) connected to said handle lock device (99) and to said connection member (63) of the latch (50).

16 . A latch according to Claim 1, having a distal end portion (51) intended to run against the web of the guide bar (G), wherein, in order to facilitate the run of the distal end portion (51) of the latch (50), said end portion (5) is rounded or includes a small wheel or ball arranged for running against the guide bar web.

17 . A set including a latch according to Claim 1 and a lock device (99), said lock device (99) comprising a handle lock (77), an operating member (78), a rod (88) slidably coupled with said operating member (78), at least one angular two-beam lever (83) articulated to said rod (88) and connected to said latch (50), and means (78,98) arranged for transmitting to said rod (88) only in one direction the displacements of said operating member (78), said rod (88) being available for the actuation of the latch (50) from a motor mechanism.